

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings of the claims, for this application.

Listing of Claims:

1. (Currently Amended) A process for the production of a multi-structural filament containing a single ingredient and having improved mechanical properties as compared to conventional monofilaments consisting of the same ingredient, comprising:

extruding a first starting material of the single ingredient through a first extruder ~~and a second extruder, the first extruder~~ having a first extruder flow path ~~and the~~;

separately extruding a second starting material of the same single ingredient that is chemically and physically identical to the first starting material of the single ingredient through a second extruder having a second extruder flow path that is isolated from the first extruder flow path; and

advancing the single ingredient in the ~~isolated~~ first and second extruder flow paths through a common die pack having a first die flow path for receiving the single ingredient from the first extruder flow path and forming a first region of a filament and a second die flow path for receiving the single ingredient from the second extruder flow path and forming a second region of a filament, wherein the single ingredient in the first extruder flow path is subject to less shear than the single ingredient in the second extruder flow path, thereby providing a filament having first and second distinct regions within the cross section of the filament, the first distinct region having a different morphology from the second distinct region but the same melt point and wherein each of the first and second distinct regions of the filament comprises at least about 7 percent by volume of the filament.

2. (Original) The process according to claim 1, wherein the single ingredient is selected from the group consisting of polyamides, polyesters, polyolefins and high performance thermoplastics.
3. (Original) The process according to claim 1, wherein the single ingredient is a blend of materials.
4. (Original) The process according to claim 1, wherein the single ingredient is a copolymer.
5. (Original) The process according to claim 1, wherein the single ingredient is polyphenylene sulfide.
6. (Original) The process according to claim 1, wherein the single ingredient is a nylon copolymer.
7. (Original) The process according to claim 6, wherein the single ingredient is nylon 6/66.
8. (Previously Presented) The process according to claim 1, wherein the first and second distinct regions of the filament are its sheath and core.
9. (Previously Presented) The process according to claim 1, wherein the first and second distinct regions of the filament are a core and four tips.
10. (Previously Presented) The process according to claim 1, wherein each of the first and second distinct regions comprises at least 10 percent by volume of the filament.